

AMCS Release Notes

AMCS Release Number: 2.1.0.0

October 1, 2007

On October 1, 2007, a new version of the Aerospace Medical Certification Subsystem (AMCS) will be released. This release will contain the following modifications:

1. Pre-Exam Reports

AMCS now provides you with the ability to receive a summary of the medical record for the Form 8500-8 applicant. Due to privacy concerns, this pre-exam report is only available to the AME through the Import screen. This means that the pre-exam report is only available to you for applicants who used MedXPress and provided you with their confirmation number. You will only be able to receive this pre-exam summary report at the time that you import the MedXPress application into your pending AMCS exams. The following instructions describe how to receive the pre-exam report.

This screen allows an AME to search for exam application information entered by an applicant via the FAA's MedXPress system. The applicant will provide the number for the AME to enter into the Confirmation No. field. The exam information matching the confirmation number will display below the **Search** button. If there are applicants in the DIWS that are potential matches they will be listed along with the new applicant option. If there are no current applicant exams found that match the confirmation number you will receive a message stating so.

The screenshot shows the AMCS web interface. At the top is a navigation bar with buttons: AMCS, Search Applicants, Pending Exams, Import Application, Help, and Logout. Below this is a yellow banner with the text: "To search for an exam that was entered through MedXPress, type the applicant's confirmation number and click Search." Below the banner is a "Confirmation No.:" label followed by a text input field. To the right of the input field are "Search" and "Clear" buttons. Below this is a table titled "Applicant Exam from FAA MedXPress" with columns: MedXPress ID, SSN, Last Name, First Name, Middle Name, and Birth Date. The table contains one row with data: 10587, ****7351, MCGINNYPIG, FRANK, CHUCK, 04/20/1970. Below the table is a paragraph of instructions: "If this applicant matches one of the following, select the appropriate button and click Process Selection. If this is a new applicant, select the New Applicant button and click Process Selection. If this applicant has had a prior exam and cannot be located in the list, please call AMCS Support at 405-954-3238." Below this is a table titled "Potential Matches for the Selected Applicant" with columns: Select, Applicant ID, SSN, Last Name, First Name, Middle Name, City, State, and Birth Date. The table contains one row with data: ☐, 2001420194, ****0185, MCGINNYPIG, FRANK, Salt Lake City, UT, 04/20/1970. Below the table is a radio button labeled "New Applicant (Select this option ONLY if this applicant has not had a previous exam.)". At the bottom of the form are two input fields: "AME Serial No.:" with the value "29" and "Confirmation No.:" with the value "03160778603". To the right of these fields is a "Process Selection" button.

MedXPress ID	SSN	Last Name	First Name	Middle Name	Birth Date
10587	****7351	MCGINNYPIG	FRANK	CHUCK	04/20/1970

Select	Applicant ID	SSN	Last Name	First Name	Middle Name	City	State	Birth Date
<input type="radio"/>	2001420194	****0185	MCGINNYPIG	FRANK		Salt Lake City	UT	04/20/1970

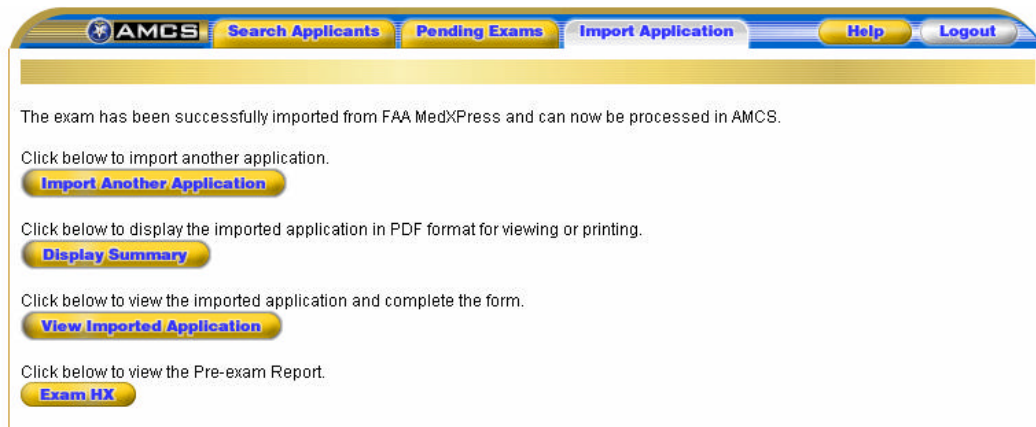
☒ New Applicant (Select this option ONLY if this applicant has not had a previous exam.)

AME Serial No.: 29 Confirmation No.: 03160778603 Process Selection

Import Application Screen

Select the radio button that applies and click on the **Process Selection** button. The exam application information entered via the FAA MedXPress will import into the AMCS and is ready for you to perform the applicant's exam and enter the remainder of the applicant's exam information.

A screen will display giving you the option of importing another application, displaying the application you just imported in PDF format, viewing the application you just imported in the 8500-8 Data Entry screens so you may enter the remainder of the exam information or viewing a pre-exam report for the applicant.



Clicking on the **Import Another Application** button will return you to the Import Application Search screen so that you may import another application.

Clicking on the **Display Summary** button will create a PDF version of the imported application for viewing or printing.

Clicking on the **View Imported Application** button will take you to first page of the Form 8500-8 Data Entry screens for the associated applicant so the remainder of the applicant's exam information can be entered.

Clicking on the **Exam HX** button will create an pre-exam report for the applicant.

The Pre-Exam Report contains the following information:

- Demographic information: DOB, Height, Weight, Hair, Eyes, and Sex
- Most recent exam status
- List of Limitations from the most recent exam
- Previously denied, suspended or revoked
- List of previously reported medications
- List of Previous Medical History items marked on prior exams (18a-x)
- SODA information, if available
- List of Medical Findings items marked on prior exams (25-48)
- Most recent exam Hearing values
- Most recent exam Vision values
- Most recent ECG and if a current ECG is required
- Most recent pathology

The following is an example of the Pre-Exam Report:

Bob Arnold
123 Main St
Chantilly, VA 20151 (USA)

DOB	Height	Weight	Hair	Eyes	Sex
1/1/1980			BLACK	BLUE	Male

Most Recent Exam Status
None

Limitations (Most Recent Exam)
None

Previously denied, suspended or revoked
No

Medications (Most Recent Exam)
Medication Disqualifying
ASD Yes
FRANKSNEWDRUG Yes

Previous Medical History (Items 18a-x)
The following medical history items have been marked as Yes on one or more previous exams:
None

Statement of Demonstrated Ability (SODA)
None

Physical Findings (Items 25-48)
The following items have been marked as Abnormal on one or more previous exams:
None

Hearing Values (Most Recent Exam)
Conversational Voice: None
Speech Discrimination: N/A

Audiometer:

Right Ear					Left Ear				
500	1000	2000	3000	4000	500	1000	2000	3000	4000

Vision Values (Most Recent Exam)

Distant Vision		Near Vision		Inter Vision-32 Inches	
Right 20/	Corr. To 20/	Right 20/	Corr. To 20/	Right 20/	Corr. To 20/
Left 20/	Corr. To 20/	Left 20/	Corr. To 20/	Left 20/	Corr. To 20/
Both 20/	Corr. To 20/	Both 20/	Corr. To 20/	Both 20/	Corr. To 20/

Most Recent ECG
Date None

Most Recent Pathology
None

Current ECG Required?
No

2. Entering a Medication in Section 17 of the Form 8500-8

Some changes have been made to the Medication Entry. The application now performs stronger validation of the medication names entered. It is important that medication names be entered into the system with the correct spelling. The previous version of the application allowed inadvertent entry of misspelled medication names. Incorrect spelling can cause processing delays. The following instructions describe how to enter medication names.

Select either the *Yes* or *No* radio button. If *Yes* is selected, continue entering the necessary medication information.



IMPORTANT: If an application has been imported via the FAA MedXPress and an incorrect entry exists, the following instruction will display:

This application contains one or more medication names that could not be validated. Please click the edit button next to the corresponding item(s) to enter the correct medication.

1. Enter the name of the medication prescribed.

The screenshot shows a web-based form for entering medication information. At the top, a blue instruction box states: "For each medication prescribed, enter medication information and click the Add button. Medication Name is required, all other fields are optional." Below this, there are input fields for "Medication Name:", "Applicant Spelling if Incorrect:", "Dosage:", "Dosage Unit:" (a dropdown menu), "Frequency:" (a dropdown menu), and a "Previously Reported" checkbox. A yellow "Add" button is positioned to the right of the "Previously Reported" checkbox. Below the input fields is a table with the following headers: "Medication", "Dosage Amount", "Dosage Unit", "Frequency", and "Previously Reported". At the bottom of the form, a disclaimer states: "DIWS medication content is validated against licensed drug information supplied by the F.A. Davis Co. (FAD) in the Davis's Drug Guide. Click [here](#) to view the FAD copyright notice and Disclaimer of Warranty."

2. If an exact match for the medication cannot be found in the database an error message will display and a drop down list of possible matches will be provided.

If the drug name entered is a valid drug name that should be added to the database, check the *Add Medication to Database* checkbox and click the  button. Click the  button to refresh the screen.

VALIDATION ISSUES AND ERROR MESSAGES

An exact match for the medication name could not be found in the database.
Please select the correct drug name from the drop down list below. If LISENPRIL is a valid drug name that should be added to the database, please check the 'Add Medication to Database' checkbox and click the Add button again. Click the Clear button to refresh the screen.

For each medication prescribed, enter medication information and click the Add button. Medication Name is required, all other fields are optional.

Select from the following medication list:

LISENPRIL
LISINOPRIL

Add Medication to Database ☐

Applicant Spelling if Incorrect:

Dosage: Dosage Unit: Frequency: Previously Reported: ☐ Yes ☐ No

Add
Clear

Medication	Dosage Amount	Dosage Unit	Frequency	Previously Reported	

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3. Select the correct medication name.
4. If the applicant misspelled the medication on the form, the spelling the applicant used should be entered into the *Applicant Spelling if Incorrect* box.
5. Type in the Dosage Amount and select the Dosage Unit and Frequency from the drop down lists provided.
6. If the medication has been previously reported, check the check box below the Previously Reported column.
7. Click the Add button. The medication and its associated dosage information will display below the appropriate column headings.

For each medication prescribed, enter medication information and click the Add button. Medication Name is required, all other fields are optional.

Medication Name:

Applicant Spelling if Incorrect:

Dosage: Dosage Unit: Frequency: Previously Reported: ☐

Add

Medication	Dosage Amount	Dosage Unit	Frequency	Previously Reported	
COUMADIN	1	PILL(s)	Daily	<input type="checkbox"/>	Edit Delete
IMITREX	1	CAPSULE(s)	Every 12 Hours	<input type="checkbox"/>	Edit Delete

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8. Repeat this procedure for each medication listed.
9. The medication and its information will populate in the comments box for block 60 so that AME can comment on the medication(s).
10. Click on the *Edit* link to update the associated medication.
11. Click on the *Delete* link to delete the associated medication from the exam.

3. Other AMCS Changes

In addition to the above functionality changes, The Aerospace Medical Certification Subsystem (AMCS) application has been modified to correct the following issues:

3.a Loss of Data:

Issue: AMCS users have been experiencing an intermittent data loss issue. Data fields on Page 1 of the form 8500-8 will sometimes be reset to blank during the data entry process. The loss of data occurs when the user is completing Page 2 or Comment items. No cause has been determined.

The issue is believed to be caused by incorrect page number information being stored on the Web page. Under certain conditions, the client may not be returning the correct page number information and Page 1 will be saved with no data.

Solution: To correct the issue, a page number indicator has been included on each AMCS Web page to ensure the correct data is being saved. Subsequently, users should be able to save exams without losing any data.

3.b Summary Report – Poor Performance

Issue: The Summary report is very slow and users are reporting CGI Timeout errors when they try to create the report.

Solution: The database query used to generate the report was modified to avoid unnecessary processing. Subsequently, the Summary Report should have better performance.